

Region 3 GPRA Baseline RCRA Corrective Action Facility

BASF Corporation

Route 60 East

Williamsburg, Virginia 23187

Congressional District 3

EPA ID #: VAD990710642

Last Updated January 1, 2005

BASF Corporation – below



1. Developed portion of subject property
2. James River
3. Entrance Road
4. Rail Spur
5. Virginia Power Easement

Current RCRA CA Activities

This facility is one of EPA Region III's high priority RCRA corrective action sites. The Commonwealth of Virginia's Department of Environmental Quality (DEQ) recently conducted an Environmental Indicator (EI) inspection at this facility. The Environmental Indicator addressing Human Exposures and dated September 30, 2003, states that current human exposures are under control. The Environmental Indicator addressing Groundwater and dated September 27, 2004 states that current groundwater exposures are under control. The following documents are currently under review by DEQ:

1) *Groundwater Remediation Plan* dated September 15, 2003, 2) Comments provided by BASF and dated November 19, 2003 on DEQs review (dated October 15, 2003) of the *Groundwater Remediation Plan*, 3) *Remedial Action Work Plan –PCB Soil Removal* dated September 15, 2003, 4) *Site-wide Soil Risk Assessment* dated September 15, 2003, 5) *Supplemental Soil Investigation Report* dated September 15, 2003, 6) *Area 1A Closure Report* dated August 6, 2003, 7) *Area 1B Closure Report* dated December 23, 2003, 8) *Area 1C Closure Report* dated August 1, 2003, 9) *Area 1D Closure Report* dated October 2, 2003, 10) *Area 1E Closure Report* dated July 11, 2003, 11) *Remedial Action Workplan Addendum – PAH and Mercury Soil Removal* dated January 16, 2004, 12) *Soil Removal Certification Report* dated June 8, 2004, 13) *Sub-Slab Soil Investigation Report* dated February 4, 2005, 14) *Semi-Annual Progress Report, September 2004 through February 2005 – Groundwater Remediation in the Main Industrial Area* dated March 17, 2005, and 15) *Building 203 June 2003 Indoor Air Sampling Results and Comparison to Regulatory Standards*.

Site Description

The BASF Facility is located approximately ten miles southeast of Williamsburg, Virginia. The site is bounded on the west by the James River, on the north and south by undeveloped land and wetlands, and on the east by Wood Creek. BASF operated the facility until 1989. The company manufactured acrylic fibers, acrylic spun yarns, and anti-static non-filament yarns for use in apparel and home furnishings. Since 1989 BASF has been investigating and remediating the contamination at the site. BASF intends to redevelop the site, especially the areas bordering the James River.

RCRA CA Milestones

On April 13, 2005, a meeting was held at the facility with BASF, BASF's consultant, and DEQ in attendance in order to mainly evaluate the status of the groundwater corrective action at the facility. In addition, BASF informed DEQ at this meeting that it desired a letter from DEQ as soon as practicable stating clean closure of the Area 1 sites.

Environmental Indicator Status

Under the Government Performance and Results Act (GPRA), EPA has set national goals to address high priority RCRA Corrective Action facilities by the year 2005. EPA is evaluating two key indicators for each facility: Current Human Exposures Under Control and Migration of Contaminated Groundwater Under Control. This facility is one of EPA Region III's high priority facilities and falls under this initiative. As of September 27, 2004 the current evaluation of Environmental Indicators for this facility is as follows:

- *Human Exposures Controlled Determination:* YE: Yes, "Current Human Exposures Under Control" has been verified under current and reasonably expected conditions. Please refer to form CA725 dated 9/30/03 for more details.
- *Release to Groundwater Controlled Determination:* YE: Yes, "Groundwater Releases are

Controlled". Please refer to form CA750 dated 9/27/04 for more details.

Contaminants

The main contaminants known to be present include benzene, 1,1-dichloroethene, cis, 1,2-dichloroethene, tetrachloroethene, vinyl chloride, and zinc.

Community Involvement

The development of a Community Relations Plan will be included during the preparation of the RFI Report.

Government Contacts

The Commonwealth of Virginia has the lead authority for this project. Please contact the state project manager listed below for details on this project or the contents of this fact sheet.

DEQ Project Manager:

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VDEQ
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BASF Facility Contact

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EPA Project Manager:

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For more information about EPA's corrective action program, including Environmental Indicators, please visit our site at: www.epa.gov/reg3wcmd/correctiveaction.htm

Factsheet Updates

The previous factsheet was updated January 2005. The next update is scheduled for December 2005. Previous fact sheets may be obtained through the listed contacts.